

What is claimed is:

1. An image recording device, comprising:  
a first recording head which discharges a first ink for a first image forming process;  
a second recording head which discharges a second ink for a second image forming process;  
a curing section which cures an ink on a recording medium; and  
a controller which controls the curing section to cure the first ink on the recording medium, and controls the second recording head to start discharging the second ink after a conversion of the first ink on the recording medium becomes not less than 30 %.
2. The image recording device of claim 1, wherein the controller controls at least one of the first recording head and the second recording head so as to overlap at least a part of a first recording area of the first image forming process and a part of a second recording area of the second image forming process in an arbitrary area on a recording surface of the recording medium.
3. The image recording device of claim 1, wherein a color of the first ink or the second ink is white.
4. The image recording device of claim 1, wherein

one of the first image forming process and the second image forming process is a process for an image, the other is a process for a background.

5. The image recording device of claim 1, wherein the controller controls either the first recording head or the second recording head so as to record in all of an arbitrary area of the recording medium.

6. The image recording device of claim 1, wherein the first recording head and the second recording head include a plurality of nozzles for an ink discharge, and a diameter of ink at the 100 % conversion of the ink is not less than 140 % of a distance between centers of adjacent nozzles of the first recording head or the second recording head.

7. The image recording device of claim 1, comprising:

a third recording head which discharges a third ink for either the first image forming process or the second image forming process;

a fourth recording head which discharges a fourth ink for same process of the third recording head; and

a fifth recording head which discharges a fifth ink for same process of the third recording head.

8. The image recording device of claim 1, wherein the curing section cures the first ink and the second ink on the recording medium.

9. The image recording device of claim 1, wherein the curing section includes a first cure device for the first image forming process and a second cure device for the second image forming process.

10. The image recording device of claim 7, wherein the curing section includes a plurality of cure devices corresponding to each recording heads.

11. The image recording device of claim 1, wherein the first recording head and the second recording head are extending in a width direction of the recording medium.

12. The image recording device of claim 1, wherein each of the first and second ink is an ultraviolet-ray curable ink, which is cured as irradiated with ultraviolet rays, and the curing section includes an ultraviolet light source which generates ultraviolet rays to cure the ultraviolet-ray curable ink.

13. The image recording device of claim 1,

comprising:

a moving section which relatively moves the recording medium to the first and second recording head and/or the curing section.

14. An image recording device, comprising:

a first recording head which discharges a first ink for an image recording to a first surface of a recording medium;

a first curing section which cures the first ink on the first surface of the recording medium;

a second recording head which discharges a second ink for a background recording to a second surface of the recording medium, the second surface is opposite side of the first surface; and

a second curing section which cures the second ink on the second surface of the recording medium.

15. The image recording device of claim 14, wherein the recording medium is a transparent material or a semi-transparent material.

16. The image recording device of claim 14, wherein a color of the first ink or the second ink is white.

17. The image recording device of claim 14, wherein

one of the first image forming process and the second image forming process is a process for an image, the other is a process for a background.

18. The image recording device of claim 14, wherein the controller controls either the first recording head or the second recording head so as to record in all of an arbitrary area of the recording medium.

19. The image recording device of claim 14, wherein the first recording head and the second recording head include a plurality of nozzles for an ink discharge, and a diameter of ink at the 100 % conversion of the ink is not less than 140 % of a distance between centers of adjacent nozzles of the first recording head or the second recording head.

20. The image recording device of claim 14, wherein the first recording head and the second recording head are extending in a width direction of the recording medium.

21. The image recording device of claim 14, wherein each of the first and second ink is an ultraviolet-ray curable ink, which is cured as irradiated with ultraviolet rays, and the curing section includes an ultraviolet light source which generates ultraviolet rays to cure the

ultraviolet-ray curable ink.